January 5, 2001

STL LOT NUMBER: **E0L280156**
PO/CONTRACT: 05160-SEV002

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on December 28, 2000. This sample is associated with your Boeing C-6 project.

All applicable quality control procedures met method-specified acceptance criteria. Matrix related anomalies are footnoted within the report.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

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BOE-C6-0153692

SEVERN TRENT LABORATORIES

CHAIN OF CUSTODY RECORD

No. 203100

Committed To Your Success

LAB JOB NO. [ ]

CUSTOMER INFORMATION

COMPANY: Kennedy / Jenks

SEND REPORT TO: Jay Knight

ADDRESS: 2151 Michelson Dr. Ste. 100
Irvine, CA 92612

PHONE: 949-261-1577

FAX: 261-2134

PROJECT INFORMATION

PROJECT NAME/NUMBER: Boeing C-6 / 8040 54.00

BILLING INFORMATION

BILL TO: Boeing

ADDRESS:

PHONE:

FAX:

PO NO.:

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS		ANALYSIS / METHOD REQUEST	REMARKS/PRECAUTIONS
	Build-2-U-9-122700-1	12-27	1335	Soil	Brass tube		X	X	VOCs 8260 TPH 8015	

SAMPLER:

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND*: □ SAME DAY □ 24 HOURS □ 48 HOURS □ 72 HOURS ☑ 5 DAYS □ 10 DAYS □ ROUTINE □ OTHER

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

	SIGNATURE:	PRINTED NAME/COMPANY:	DATE	TIME
1. RELINQUISHED BY:			12-28-00	0850
1. RECEIVED BY:		Jay Knight / KJ	12/28/00	0850
2. RELINQUISHED BY:		Ron Park - KJ	12/28/00	0850
2. RECEIVED BY:				
3. RELINQUISHED BY:				
3. RECEIVED BY:				

SEVERN TRENT LABORATORIES
1721 South Grand Avenue
Santa Ana   92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

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BOE-C6-0153693

SEVERN TRENT LABORATORIES, INC. STANDARD TERMS AND CONDITIONS

ACCEPTANCE. Severn Trent Laboratories, Inc. (hereafter referred to as "STL") offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if STL and the Customer shall have executed a separate agreement in writing. If specific Terms are not incorporated in the separate agreement those Terms will apply to the Customer. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of STL. Customer's order for services shall be subject to the Terms and the Terms shall be binding upon receipt of samples to STL. Either party may terminate this agreement at any time by giving written notice of such termination to the other party. Upon termination the customer is subject to payment for all services rendered and expenses incurred up to date in accordance with the applicable Price Schedule.

INSURANCE. STL maintains insurance coverage with minimum limits as follows: (a) Comprehensive General Liability- $1,000,000 each occurrence $2,000,000 annual aggregate; (b) Comprehensive Automotive Liability Bodily Injury and Property Damage- $1,000,000 each occurrence. (c) Workman's Compensation- $500,000 each occurrence and $500,000 each employee; STL and Customer agree to furnish the other, upon request, certificates attesting to the existence of insurance coverage.

INDEPENDENT CONTRACTOR. STL's relationship with Customer under this agreement shall be that of an independent contractor. Nothing in this Agreement shall be construed to designate STL, or any of its employees or subcontractors, as employees, joint venturers or partners of Customer.

SUBCONTRACTING. STL shall have the right to subcontract any and all services, duties, and obligations hereunder, in whole or in part with the consent of the Customer in a timely response which shall not be unreasonably refused. Subcontractor shall be bound by the same Terms of performance as STL.

BILLING. All fees are charged or billed directly to the Customer. The billing of a third party will not be accepted without a statement, signed by the third party, which acknowledges and accepts payment responsibility.

PAYMENT. Payment in advance is required for all Customers except those whose credit has been established with STL. Customers with STL approved credit, terms are Net 30 days, after which time a 1-1/2% per month late charge is added to all unpaid balances. Failure of the Customer to pay according to Terms gives STL the right to withhold delivery of future data until all past due invoices have been settled. Customer shall pay all costs and expenses incident to the collection of past due amounts, including reasonable attorney's fees. No retainage of fees by the customer is allowed without the consent of STL.

MODIFICATIONS. If the sample received is of unknown character than in the original quote, or if due to the composition of the sample the original procedure specified is not practicable or likely to produce reliable results, Customer will be promptly notified. Modified procedures will be suggested and STL may quote new prices for such modifications. Upon agreement of such modification, the original quote shall be deemed amended and the samples in question shall be deemed to have been received.

TIME OF PERFORMANCE. STL will use its best efforts to comply with storage, processing and analytical time limits requested by the Customer. Unless specifically agreed to in writing between STL and Customer, the time performance of any testing or other services performed by STL under this agreement is not guaranteed and STL shall have no liability for failure to perform such services within the time requested. Quick turnaround times are available at a premium cost which will be defined in the quote, providing STL workload availability.

LIMITATION OF DAMAGES. STL is not an insurer of services rendered and the payments mentioned are based solely on the value of the services provided pursuant to this agreement. STL's liability to the Customer and the Customer's exclusive remedy for any cause of action alleged against STL, whether based in contract, tort, or otherwise, shall be limited solely to the amount paid by the Customer for the services performed. In no event shall STL be liable for incidental or consequential damages including, without limitation, business interruption, loss of use, or loss of profits incurred by the Customer, its subsidiaries, affiliates, successors or assigns, arising out of or related to this agreement or the performance of services hereunder.

WARRANTY. STL makes no warranty or representation, express or implied, or guarantee of results from the performance of services pursuant to this Agreement. Any information, recommendation, interpretation, or opinion by STL is based upon inferences and assumptions which are subject to error, and with respect to which analysis may differ. Accordingly, STL does not assume any liability with respect to the use of, or for damages resulting from the use of, any information, data, test results, analysis, apparatus, method, or process disclosed by STL. STL makes no presentation or warranty of any kind, including but not limited to, the warranties of fitness for a particular purpose or merchantability, nor are any such warranties to be implied with respect to the data or service furnished. STL assumes no responsibility with respect to Customer's use thereof.

LIMITATION ACTION. No action, regardless of form, arising out of or brought in connection with any services provided under this Agreement may be brought by the Customer more than one year after the performance of said services by STL. It is expressly agreed that STL shall have no liability to Customer unless that liability arises out of the willful misconduct or gross negligence of STL or its duly authorized employees.

CONFIDENTIALITY. Data and the sample materials provided by Customer or at Customer's request and the result obtained by STL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Customer has failed to pay STL for all services rendered or is otherwise in breach of this Agreement) subject to any disclosure required by law or legal process. STL's reports and the data and information provided therein are for the exclusive use and benefit of Customer and Customer agrees there shall be no third party beneficiary of such reports, data, or information. Customer will not disclose to any third party any information concerning STL's technical information, software programs, or other formulations.

SEVERABILITY. The provisions of this Agreement shall be severable, and if any clause, sentence, paragraph, provision or other part hereof shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair or invalidate the remainder hereof, which remainder shall continue in full force and effect.

WAIVER. No waiver by either party of any breach, default or violation of any term, warranty, representation, agreement, covenant, condition or provision hereof shall constitute a waiver of any subsequent breach, default or violation of the same or any other term, warranty, representation, agreement, covenant, condition or provision hereof. All waivers must be in writing.

FORCE MAJEURE. Obligation of either party under this Agreement shall be suspended, and such party shall not be liable for damages or other remedies while such party is prevented from complying therewith, in whole or in part, due to contingencies beyond its reasonable control, including, but not limited to, strikes, riots, war, fire, act of God, injunction, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality, matrix interference or unknown highly contaminated samples that impact instrument operations thereof, whether now existing or hereafter created, inability to secure materials or obtain necessary permits, provided, however, the party so prevented from complying with its obligations hereunder shall promptly notify the other party thereof.

LITIGATION. All costs associated with compliance to any subpoena for documents, for testimony in court of law, or for any other purpose relating to work performed by STL, in connection with work performed for the Customer, shall be paid by the Customer. Such costs shall include, but are not limited to, hourly charges for persons involved in responding to subpoenas, travel and accommodations, mileage, attorney's preparation of testifier and advice of counsel in connection with response to subpoenas, and all other expenses deemed reasonable and associated with said litigation.

HAZARDOUS WASTE. Unused portions of samples found or suspected to be hazardous according to state or federal guidelines may be returned to the Customer upon completion of the analytical work. The cost of returning the sample may be invoiced to the Customer. The sample portions thereof remain the property of the Customer at all times. All radioactive or dioxin containing samples will be returned to the sampling site or to the Customer at the Customer's expense.

RETENTION OF SAMPLES. All routine samples are retained in our storage facilities for 30 days after report generation unless prior arrangements have been made. Samples may be held longer per Customers request for an additional fee.

RETENTION OF REPORTS. STL shall retain copies of analytical reports for a period of 5 years after report date, after which such reports may be destroyed or returned to the Customer at Customers expense. If Customer requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

COMPLIANCE WITH LAW. In the performance of all services to be provided hereunder, STL and Customer agree to comply with all applicable Federal, State and local laws and ordinances and all lawful orders, rules and regulations of any constituted authority.

APPLICABLE LAW. The validity, performance and construction of this Agreement shall be governed by and construed in accordance with the laws of the State of Delaware.

DRAFT — REVISION 1/27/99

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 12/28/00

Quantims Lot #: QFH28015G

Quote #: _____

Client Name: Kennedy Jenks

Project: Boeing C-6

Received by: AV

Date/Time Received: 12/28 08:50

Delivered by: ☒Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B.
☐UPS ☐DES ☐Other _____

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None .... AV 12/28

Custody Seal #(s): _____ ☐No Seal # ....

Sample Container(s): ☐STL-LA ☒Client ☐N/A ....

Temperature(s) (COOLER/BLANK) in °C: 30.℃ _____ (CORRECTED TEMP)...............

Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) ....

Samples: ☒Intact ☐Broken ☐Other _____ ....

Anomalies: ☒No ☐Yes (See Clouseau) ....

Labeled by ....

Labeling checked by .... (5 BD T.A.T.)

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL .... AV 12/28

Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☐N/A ... _____

Outside Analysis(es) (Test/Lab/Date Sent Out) :

_____ .... _____
_____ .... _____
_____ .... _____
_____ .... _____

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	/											PH
VOAh /*												N/A
Brass Sleeve	/											⌐

h HCl   na:Sodium Hydroxide   znna:Zinc Acetate/Sodium Hydroxide   s: H2SO4   n:HNO3   n/f:HNO3-Field filtered   n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar   CGB:Clear Glass Bottle   AGJ:Amber Glass Jar   AGB:Amber Glass Bottle   PB: Poly Bottle   E:Encore Sampler   V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: AB 12/28/00

REVIEWED BY/DATE: C.Qz 12/28/00

PRC Ver. 5 030200 KRF

QAM.CA311Vr: Prelim Sample Control Forms

000003

BOE-C6-0153695

EXECUTIVE SUMMARY - Detection Highlights

EOL280156

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Build_2_U_9_122700_1 12/27/00 13:35	001			
C10-C11	250	200	mg/kg	SW846 8015B
C12-C13	1200	200	mg/kg	SW846 8015B
C14-C15	1600	200	mg/kg	SW846 8015B
C16-C17	1600	200	mg/kg	SW846 8015B
C18-C19	1000	200	mg/kg	SW846 8015B
C20-C23	360	200	mg/kg	SW846 8015B
Total Carbon Chain Range	6100	200	mg/kg	SW846 8015B
Acetone	970 J,B	1200	ug/kg	SW846 8260B
Ethylbenzene	73 J	250	ug/kg	SW846 8260B
Xylenes (total)	570	250	ug/kg	SW846 8260B
p-Isopropyltoluene	360	250	ug/kg	SW846 8260B
n-Propylbenzene	150 J	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	370	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	1200	250	ug/kg	SW846 8260B
sec-Butylbenzene	170 J	250	ug/kg	SW846 8260B
n-Butylbenzene	530	250	ug/kg	SW846 8260B

000004

METHODS SUMMARY

EOL280156

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846

References:

SW846   "Test Methods for Evaluating Solid Waste, Physical/Chemical
        Methods", Third Edition, November 1986 and its updates.

000005

SAMPLE SUMMARY

EOL280156

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DR20G	001	Build_2_U_9_122700_1	12/27/00	13:35

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000006

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_U_9_122700_1

GC Semivolatiles

Lot-Sample #...: E0L280156-001 Work Order #...: DR20G1AC   Matrix.........: SOLID
Date Sampled...: 12/27/00 13:35 Date Received..: 12/28/00 08:50 MS Run #.......: 0363143
Prep Date......: 12/28/00   Analysis Date..: 12/29/00
Prep Batch #...: 0363285   Analysis Time..: 12:38
Dilution Factor: 20
Analyst ID.....: 356074   Instrument ID..: G02
                                 Method.........: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	200	mg/kg	100
C10-C11	250	200	mg/kg	100
C12-C13	1200	200	mg/kg	100
C14-C15	1600	200	mg/kg	100
C16-C17	1600	200	mg/kg	100
C18-C19	1000	200	mg/kg	100
C20-C23	360	200	mg/kg	100
C24-C27	ND	200	mg/kg	100
C28-C31	ND	200	mg/kg	100
C32-C35	ND	200	mg/kg	100
C36-C39	ND	200	mg/kg	100
C40+	ND	200	mg/kg	100
Total Carbon Chain Range	6100	200	mg/kg	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	76	(60 - 130)

000007

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_U_9_122700_1

GC Volatiles

Lot-Sample #...: E0L280156-001   Work Order #...: DR20G1AD   Matrix..........: SOLID
Date Sampled...: 12/27/00 13:35 Date Received..: 12/28/00 08:50 MS Run #.......:
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1003206   Analysis Time..: 15:47
Dilution Factor: 1
Analyst ID.....: 001464   Instrument ID..: G16
                                 Method.........: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND G	10	mg/kg	6.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	92	(60 - 130)

NOTE(S):

G   Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Due to high presence of unknown hydrocarbons, sample can't be analyzedat low level to prevent instrument damage.

000008

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_U_9_122700_1

GC/MS Volatiles

Lot-Sample #...: E0L280156-001 Work Order #...: DR20G1AA   Matrix.........: SOLID
Date Sampled...: 12/27/00 13:35 Date Received..: 12/28/00 08:50 MS Run #.......: 1002255
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1002463   Analysis Time..: 11:13
Dilution Factor: 1
Analyst ID.....: 999998   Instrument ID..: MSD
                                 Method.........: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	500	ug/kg	170
Chloromethane	ND	500	ug/kg	200
Vinyl chloride	ND	500	ug/kg	150
Bromomethane	ND	500	ug/kg	250
Chloroethane	ND	500	ug/kg	250
Trichlorofluoromethane	ND	500	ug/kg	70
Acrolein	ND	5000	ug/kg	2000
1,1-Dichloroethene	ND	250	ug/kg	120
Iodomethane	ND	500	ug/kg	250
Acetone	970 J,B	1200	ug/kg	400
Carbon disulfide	ND	250	ug/kg	100
Methylene chloride	ND	250	ug/kg	50
trans-1,2-Dichloroethene	ND	250	ug/kg	120
Acrylonitrile	ND	2500	ug/kg	2000
Methyl tert-butyl ether	ND	250	ug/kg	100
1,1-Dichloroethane	ND	250	ug/kg	100
Vinyl acetate	ND	500	ug/kg	250
2,2-Dichloropropane	ND	250	ug/kg	60
cis-1,2-Dichloroethene	ND	250	ug/kg	100
2-Butanone	ND	1200	ug/kg	500
Bromochloromethane	ND	250	ug/kg	75
Chloroform	ND	250	ug/kg	70
Tetrahydrofuran	ND	1000	ug/kg	500
1,1,1-Trichloroethane	ND	250	ug/kg	70
1,1-Dichloropropene	ND	250	ug/kg	100
Carbon tetrachloride	ND	250	ug/kg	60
Benzene	ND	250	ug/kg	100
1,2-Dichloroethane	ND	250	ug/kg	70
Trichloroethene	ND	250	ug/kg	60
1,2-Dichloropropane	ND	250	ug/kg	100
Bromodichloromethane	ND	250	ug/kg	100
2-Chloroethyl vinyl ether	ND	500	ug/kg	250
cis-1,3-Dichloropropene	ND	250	ug/kg	100
4-Methyl-2-pentanone	ND	1200	ug/kg	400
Toluene	ND	250	ug/kg	60
trans-1,3-Dichloropropene	ND	250	ug/kg	70
1,1,2-Trichloroethane	ND	250	ug/kg	100

(Continued on next page)

000009

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_U_9_122700_1

GC/MS Volatiles

Lot-Sample #...: E0L280156-001   **Work Order #...:** DR20G1AA   **Matrix.........:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	250	ug/kg	80
2-Hexanone	ND	1200	ug/kg	300
Dibromochloromethane	ND	250	ug/kg	100
1,2-Dibromoethane	ND	250	ug/kg	70
Chlorobenzene	ND	250	ug/kg	100
Ethylbenzene	**73 J**	250	**ug/kg**	**70**
Xylenes (total)	570	250	**ug/kg**	**170**
Styrene	ND	500	ug/kg	100
Bromoform	ND	250	ug/kg	100
Isopropylbenzene	ND	250	ug/kg	120
p-Isopropyltoluene	**360**	250	**ug/kg**	**70**
Bromobenzene	ND	250	ug/kg	70
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	50
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	100
1,2,3-Trichloropropane	ND	250	ug/kg	110
n-Propylbenzene	**150 J**	250	**ug/kg**	**110**
2-Chlorotoluene	ND	250	ug/kg	70
4-Chlorotoluene	ND	250	ug/kg	70
1,3,5-Trimethylbenzene	**370**	250	**ug/kg**	**120**
tert-Butylbenzene	ND	250	ug/kg	70
1,2,4-Trimethylbenzene	**1200**	250	**ug/kg**	**70**
sec-Butylbenzene	**170 J**	250	**ug/kg**	**70**
1,3-Dichlorobenzene	ND	250	ug/kg	70
1,4-Dichlorobenzene	ND	250	ug/kg	100
1,2-Dichlorobenzene	ND	250	ug/kg	100
n-Butylbenzene	**530**	250	**ug/kg**	**70**
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	150
1,2,4-Trichloro-benzene	ND	250	ug/kg	70
Hexachlorobutadiene	ND	250	ug/kg	70
1,2,3-Trichlorobenzene	ND	250	ug/kg	70

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	82	(60 - 140)
1,2-Dichloroethane-d4	84	(60 - 140)
Toluene-d8	86	(60 - 140)

NOTE(S):

J   Estimated result. Result is less than RL.

B   Method blank contamination. The associated method blank contains the target analyte at a reportable level.

000010

QC DATA ASSOCIATION SUMMARY

EOL280156

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		0363285	0363143
	SOLID	SW846 8015B		1003206	
	SOLID	SW846 8260B		1002463	1002255

000011

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: EOL280156 Work Order #...: DR3FQ1AA Matrix.........: SOLID
MB Lot-Sample #: EOL280000-285

Prep Date......: 12/28/00 Analysis Time..: 16:07
Analysis Date..: 12/28/00 Prep Batch #...: 0363285 Instrument ID..: G02
Dilution Factor: 1

Analyst ID.....: 356074

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	109	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000012

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0L280156
MB Lot-Sample #: E1A020000-463

Analysis Date..: 12/29/00
Dilution Factor: 1

Work Order #...: DR6L01AA

Prep Date......: 12/29/00
Prep Batch #...: 1002463

Analyst ID.....: 999998

Matrix.........: SOLID

Analysis Time..: 10:30
Instrument ID..: MSD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
Acrolein	ND	5000	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
Iodomethane	ND	500	ug/kg	SW846 8260B
Acetone	**860 J**	**1200**	**ug/kg**	**SW846 8260B**
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
Acrylonitrile	ND	2500	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
Vinyl acetate	ND	500	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Tetrahydrofuran	ND	1000	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	500	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B

(Continued on next page)

000013

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0L280156   **Work Order #...:** DR6L01AA   **Matrix.........:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(60 - 140)
1,2-Dichloroethane-d4	97	(60 - 140)
Toluene-d8	98	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J   Estimated result. Result is less than RL.

000014

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E0L280156   Work Order #...: DR6681AA   Matrix.........: SOLID
MB Lot-Sample #: E1A030000-206

Prep Date......: 12/29/00   Analysis Time..: 11:32
Analysis Date..: 12/29/00   Prep Batch #...: 1003206   Instrument ID..: G16
Dilution Factor: 1

Analyst ID.....: 001464

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	90	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000015

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: EOL280156   Work Order #...: DR6681AC-LCS   Matrix.........: SOLID
LCS Lot-Sample#: E1A030000-206   DR6681AD-LCSD
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1003206   Analysis Time..: 10:35
Dilution Factor: 1   Instrument ID..: G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	50.0	57.6	mg/kg	115		SW846 8015B
	50.0	55.4	mg/kg	111	3.8	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	119	(60 - 130)
	123	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000016

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E0L280156   Work Order #...: DR6681AC-LCS   **Matrix**.........: SOLID
LCS Lot-Sample#: E1A030000-206   DR6681AD-LCSD
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1003206   Analysis Time..: 10:35
Dilution Factor: 1   Instrument ID..: G16
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	115	(80 - 140)			SW846 8015B
	111	(80 - 140)	3.8	(0-40)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	119	(60 - 130)
	123	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000017

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E0L280156   Work Order #...: DR3FQ1AC   **Matrix.........**: SOLID
LCS Lot-Sample#: E0L280000-285
Prep Date......: 12/28/00   Analysis Date..: 12/28/00
Prep Batch #...: 0363285   Analysis Time..: 16:46
Dilution Factor: 1   Instrument ID..: G02
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	250	184	mg/kg	73	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	77	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E0L280156 Work Order #...: DR6L01AC   Matrix.........: SOLID
LCS Lot-Sample#: E1A020000-463
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1002463   Analysis Time..: 09:28
Dilution Factor: 1   Instrument ID..: MSD
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	2500	2490	ug/kg	99	SW846 8260B
Benzene	2500	2360	ug/kg	95	SW846 8260B
Trichloroethene	2500	2410	ug/kg	96	SW846 8260B
Toluene	2500	2320	ug/kg	93	SW846 8260B
Chlorobenzene	2500	2340	ug/kg	94	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 140)
1,2-Dichloroethane-d4	97	(60 - 140)
Toluene-d8	94	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000019

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: EOL280156   Work Order #...: DR3FQ1AC   Matrix.........: SOLID
LCS Lot-Sample#: EOL280000-285
Prep Date......: 12/28/00   Analysis Date..: 12/28/00
Prep Batch #...: 0363285   Analysis Time..: 16:46
Dilution Factor: 1   Instrument ID..: G02
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	73	(60 - 130)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	77	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000020

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E0L280156   Work Order #...: DR6L01AC   Matrix.........: SOLID
LCS Lot-Sample#: E1A020000-463
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1002463   Analysis Time..: 09:28
Dilution Factor: 1   Instrument ID..: MSD
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	99	(60 - 140)	SW846 8260B
Benzene	95	(60 - 130)	SW846 8260B
Trichloroethene	96	(60 - 140)	SW846 8260B
Toluene	93	(60 - 130)	SW846 8260B
Chlorobenzene	94	(60 - 130)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 140)
1,2-Dichloroethane-d4	97	(60 - 140)
Toluene-d8	94	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000021

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E0L280156	Work Order #...: DR20G1AE-MS	Matrix.........: SOLID
MS Lot-Sample #: E0L280156-001	DR20G1AF-MSD	
Date Sampled...: 12/27/00 13:35	Date Received..: 12/28/00 08:50	MS Run #.......: 0363143
Prep Date......: 12/28/00	Analysis Date..: 12/29/00	
Prep Batch #...: 0363285	Analysis Time..: 13:17	
Dilution Factor: 20	Analyst ID.....: 356074	Instrument ID..: G02

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	7500	250	9850	mg/kg	937 a		SW846 8015B
	7500	250	9160	mg/kg	661 a	7.2	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)
	90	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E0L280156   Work Order #...: DR20G1AG-MS   Matrix.........: SOLID
MS Lot-Sample #: E0L280156-001   DR20G1AH-MSD
Date Sampled...: 12/27/00 13:35 Date Received..: 12/28/00 08:50 MS Run #.......: 1002255
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1002463   Analysis Time..: 12:52
Dilution Factor: 1   Analyst ID.....: 999998   Instrument ID..: MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	2500	2150	ug/kg	86		SW846 8260B
	ND	2500	2230	ug/kg	89	3.4	SW846 8260B
Benzene	ND	2500	2130	ug/kg	85		SW846 8260B
	ND	2500	2180	ug/kg	87	2.6	SW846 8260B
Trichloroethene	ND	2500	2240	ug/kg	89		SW846 8260B
	ND	2500	2260	ug/kg	91	1.3	SW846 8260B
Toluene	ND	2500	2140	ug/kg	85		SW846 8260B
	ND	2500	2170	ug/kg	87	1.6	SW846 8260B
Chlorobenzene	ND	2500	2130	ug/kg	85		SW846 8260B
	ND	2500	2200	ug/kg	88	3.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	80	(60 - 140)
	76	(60 - 140)
1,2-Dichloroethane-d4	89	(60 - 140)
	89	(60 - 140)
Toluene-d8	88	(60 - 140)
	89	(60 - 140)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000023

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E0L280156 **Work Order #...**: DR20G1AE-MS **Matrix**.........: SOLID
MS Lot-Sample #: E0L280156-001   DR20G1AF-MSD
Date Sampled...: 12/27/00 13:35 Date Received..: 12/28/00 08:50 **MS Run #**.......: 0363143
Prep Date......: 12/28/00   Analysis Date..: 12/29/00
Prep Batch #...: 0363285   Analysis Time..: 13:17
Dilution Factor: 20   Analyst ID.....: 356074   Instrument ID..: G02

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	937 a	(60 - 130)			SW846 8015B
	661 a	(60 - 130)	7.2	(0-35)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)
	90	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a   Spiked analyte recovery is outside stated control limits.

000024

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E0L280156   Work Order #...: DR20G1AG-MS   Matrix.........: SOLID
MS Lot-Sample #: E0L280156-001   DR20G1AH-MSD
Date Sampled...: 12/27/00 13:35 Date Received..: 12/28/00 08:50 MS Run #.......: 1002255
Prep Date......: 12/29/00   Analysis Date..: 12/29/00
Prep Batch #...: 1002463   Analysis Time..: 12:52
Dilution Factor: 1   Analyst ID.....: 999998   Instrument ID..: MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	86	(60 - 140)			SW846 8260B
	89	(60 - 140)	3.4	(0-35)	SW846 8260B
Benzene	85	(60 - 130)			SW846 8260B
	87	(60 - 130)	2.6	(0-35)	SW846 8260B
Trichloroethene	89	(60 - 140)			SW846 8260B
	91	(60 - 140)	1.3	(0-35)	SW846 8260B
Toluene	85	(60 - 130)			SW846 8260B
	87	(60 - 130)	1.6	(0-35)	SW846 8260B
Chlorobenzene	85	(60 - 130)			SW846 8260B
	88	(60 - 130)	3.1	(0-35)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	80	(60 - 140)
	76	(60 - 140)
1,2-Dichloroethane-d4	89	(60 - 140)
	89	(60 - 140)
Toluene-d8	88	(60 - 140)
	89	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000025